



# **System Report**

**September 1, 2013 – November 30, 2013**

**Data Period – Third Quarter 2013  
(July-August-September)**

## **Mississippi Trauma Care System**

***Designated Trauma Care Providers  
Working Together to Prevent and Treat Trauma***

**Prepared for:**

**Mississippi State Board of Health**

**November 15, 2013**

## Introduction

The goal of the Mississippi Trauma Care System is to deliver the **right** patient to the **right** hospital the **first** time. Research shows that this approach decreases mortality. Trauma remains the leading cause of death for Mississippians age 1 to 44 and Mississippi ranks third in the nation for unintentional injury deaths.

Mississippi began development of a statewide trauma system in 1991. The Mississippi Legislature charged the Mississippi State Department of Health with the responsibility for oversight of trauma system development. Since that time the state has adopted a trauma care plan, established seven designated trauma regions, designated qualifying hospitals as trauma centers, maintains a trauma registry, and disbursed funding to trauma regions, trauma centers, and physicians.

The Mississippi Legislature passed House Bill 1405 during the 2007 Regular Session to revitalize and more fully fund the Mississippi Trauma Care System. Mississippi moved from a voluntary system with indigent reimbursement, to a mandatory system with block grant funding based on participation; the first trauma system of its type in the United States. As suggested by the Mississippi Trauma Care Task Force, this report on the Mississippi Trauma Care System will be submitted quarterly to the Mississippi State Board of Health.



## Quarterly Activities

### Trauma Registry:

<b>Trauma Registry Users' Group Meeting Jackson, Mississippi October 23, 2013</b>				
<b>Last Name</b>	<b>First Name</b>	<b>Region</b>	<b>Facility</b>	<b>Total</b>
Alliston	Beth	Central	River Oaks Medical Center	1
Calhoun	Jon	Southeast	Covington County Hospital	1
Carter	Josephine	Central	Mississippi Baptist Medical Center	1
Cowart	Amie	Delta	Regional Medical Center at Memphis	1
Emmons	Russ	Central	Central Mississippi Medical Center	1
Hall	Angie	Central	Madison River Oaks Medical Center	1
Holmes	Amy	Delta	Delta Regional Medical Center	1
Knight	Bobbie	Southeast	South Central Regional Medical Center	1
Knight	Mack	Southeast	Wesley Medical Center	1
Lafayette	Mindy	Delta	Baptist Memorial Hospital - DeSoto	1
Mathis	Sandra	Coastal	Memorial Hospital at Gulfport	1
McCullum	Monica	Southeast	Forrest General Hospital	1
Trammell	Renee	Delta	Delta Regional Medical Center	1
Moody	Vicky	Central	Baptist Medical Center - Leake	1
Murphy	Lamonica	Delta	Greenwood Leflore Hospital	1
Partridge	Ashley	Central	Madison River Oaks Medical Center	1
Pennington	Linda	Southeast	Wesley Medical Center	1
Rowe	Geri	Central	Central Mississippi Medical Center	1
Smalley	Gloria	Southeast	Southeast Trauma Care Region	1
Smith	Barbara	Central	Central Mississippi Medical Center	1
<b>Total Users Attended</b>				<b>20</b>

<b>Trauma Registry Software Training Jackson, Mississippi Nov 6-8, 2013</b>						
<b>Last Name</b>	<b>First Name</b>	<b>Region</b>	<b>Facility</b>	<b>Day 1 Nov 6</b>	<b>Day 2 Nov 7</b>	<b>Day 3 Nov 8</b>
Kimberly	Adams	Southwest	Claiborne County Hospital	1	1	
Michael	Albrecht	Coastal	Memorial Hospital at Gulfport	1	1	1
Beth	Alliston	Central	River Oaks Hospital	1	1	
Sherry	Barry	Southwest	Kings Daughter Brookhaven	1	1	
Celeste	Brewer	Southeast	Perry County General Hospital	1		

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Josephine	Carter	Central	MS Baptist Hospital - Jackson	1		
Deborah	Cohea	Central	Kings Daughters Hosp.-Yazoo	1		
Wendy	Cooksey	East Central	Pioneer Comm Hosp - Newton	1		
Amie	Cowart	Delta	Regional Medical Center	1	1	1
Mindy	Cupit	Southwest	Franklin County Hospital		1	
Betty	Davis	Coastal	Garden Park Medical Center	1	1	1
Betty	Dyess	Central	Baptist Medical Center - Leake	1	1	1
Deven	Fejka	East Central	Pearl River County Hospital	1	1	
Renea	Foley	Southwest	River Region Hospital		1	1
Melinda	Gilliland	Central	University MS Medical Center		1	
Pam	Graves	Central	St. Dominic Hospital		1	
Wenonah	Hainey	Southeast	Wayne General Hospital	1		
Angie	Hall	Central	Madison River Oaks	1		
Sharon	Henrikson	Central	University Medical Center		1	
Cynthia	Hoffman	Coastal	USA Medical Center	1	1	1
Wendell	Jourdan	North	Baptist Memorial Hospital- Booneville	1	1	
Kevin	Keaton	Southwest	Claiborne County Hospital	1	1	
Dale	Laurich	Southwest	Southwest Regional Med Center		1	1
Jimmy	McManus	Southwest	Southwest Region Administrator		1	1
Vicky	Moody	Central	Baptist Medical Center	1	1	
Ben	Richards	Central	Central MS Medical Center	1	1	1
Geri	Rowe	Central	J.M. Still Burn Center		1	1
Jim	Ruckman	Southwest	Natchez Regional Medical Center	1	1	
Amanda	Smith	Southwest	Lawrence County Hospital	1		
Barbara	Smith	Central	Central MS Medical Center	1	1	1
Karlene	Strayer	Central	MS Baptist Medical Center		1	1
Kelly	Tanner	Central	University MS Medical Center		1	
Lisa	Wilson	Coastal	USA Medical Center	1	1	1
Lynn	Wooten	Southwest	Natchez Regional Medical Center	1	1	
<b>Total Users Attended</b>				<b>24</b>	<b>27</b>	<b>13</b>

### Trauma Center Education Visits:

October 3, 2013 Wesley Medical Center, Hattiesburg  
October 30, 2013 River Oaks Hospital, Flowood  
November 13, 2013 J.M Still Burn Center @ CMMC, Jackson

### Trauma Center Inspections:

October 21, 2013 BMH-Desoto, Southaven - Level III Trauma Center  
October 22, 2013 Magnolia RMC, Corinth – Level III Trauma Center

October 23, 2013    Rush Foundation Hospital, Meridian – Level III Trauma Center

### **Trauma Center Designations:**

The following hospitals have received designation as a Level IV adult Trauma Center and Primary Pediatric Trauma Center:

- Madison River Oaks Hospital, Canton
- North Mississippi Medical Center-Pontotoc
- BMH-Union County, New Albany
- Noxubee General Hospital, Macon

Currently, the system is comprised of:

- Three Level I Trauma Centers (UMMC, Jackson; Regional Medical Center, Memphis; University of South Alabama, Mobile);
- One stand-alone Tertiary Pediatric Trauma Center (Le Bonheur Children's Hospital, Memphis);
- One designated Burn Center (J.M. Still Burn Center at Crossgates River Oaks Hospital, Brandon);
- Four Level II Trauma Centers (North Mississippi Medical Center, Tupelo; Forrest General Hospital, Hattiesburg; Memorial Hospital of Gulfport, Gulfport; Singing River Hospital, Pascagoula);
- Fifteen Level III Trauma Centers; and
- Sixty Level IV Trauma Centers.

### **Mississippi Trauma Advisory Committee (MTAC) Activities:**

MTAC did not hold a meeting during this quarter, instead, it conducted a Strategic Planning Conference in Biloxi on November 5-6, 2013. Topics of the meeting included:

- PEER evaluations and recommendations.
- SWOT/gap analysis.
- New systems of care and the Emergency Medical Systems of Care Council.

The report on the conference will be presented at the next MTAC meeting, January 16, 2014.

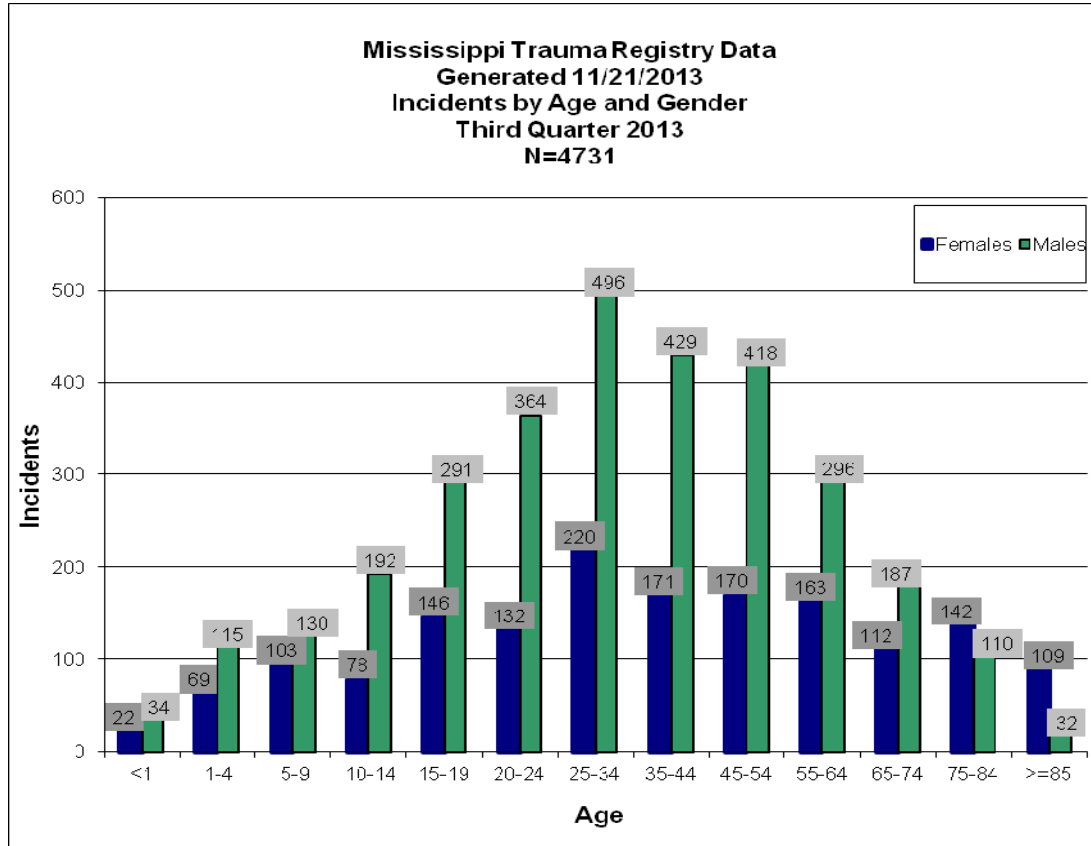
## Trauma Data:

### *Injury Severity Score (ISS) Summary for Level I-III Trauma Centers*

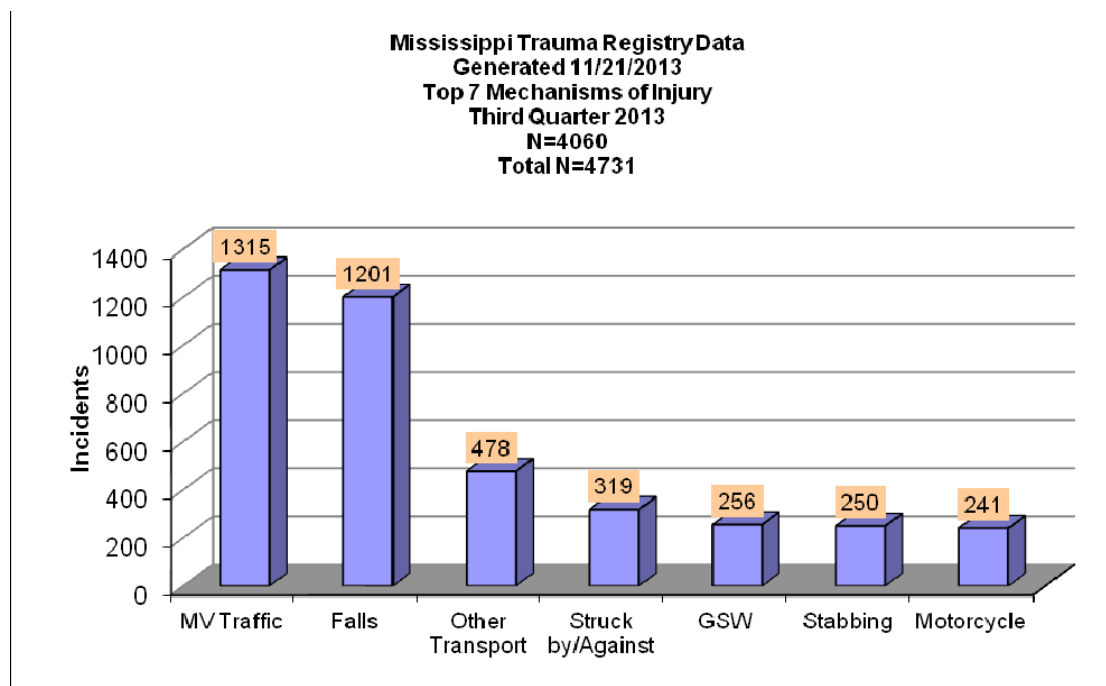
<b>Mississippi Trauma Registry Data</b> <b>Injury Severity Score Summary for Level I to Level III Hospitals</b> <b>Generated 11/21/2013</b> <b>Third Quarter 2013</b> <b>N = 3612*</b>						
<b>Facility</b>	<b>Site ID</b>	<b>ISS 1-9</b>	<b>ISS 10-15</b>	<b>ISS 16-24</b>	<b>ISS&gt;24</b>	<b>Total Patients</b>
Anderson Regional Medical Center-North	237	65	29	12	8	114
Baptist Memorial Hospital-Desoto	318	229	21	2	5	257
Baptist Memorial Hospital-GoldenTriangle	253	244	22	5	1	272
Baptist Memorial Hospital-North Miss.	228	92	7	5	0	104
Biloxi Regional Medical Center	299	50	4	2	1	57
Central MS Medical Center	240	62	3	0	0	65
Delta Regional Medical Center	189	54	15	4	1	74
Forrest General Hospital	141	397	61	37	9	504
Garden Park Medical Center	272	56	8	6	5	75
LeBonheur Children's Medical Center	901	107	10	6	1	124
Magnolia Hospital	248	85	11	0	2	98
Memorial Hospital at Gulfport	28	177	29	6	2	214
North MS Medical Center-Tupelo	63	281	35	15	7	338
Ocean Springs Hospital	390	36	4	3	0	43
Oktibbeha County Hospital	269	68	4	2	0	74
Regional Medical Center at Memphis	900	53	9	6	0	68
River Oaks Hospital, Inc.	297	60	3	2	0	65
Rush Foundation Hospital	59	56	10	6	2	74
Singing River Hospital	39	71	6	4	1	82
South Central Regional Medical Center	153	112	16	2	3	133
Southwest Miss Regional Medical Center	251	129	20	5	1	155
Univ of South Alabama Medical Center	914	50	12	10	3	75
University Medical Center	199	329	108	68	42	547
<b>Total</b>		<b>2863</b>	<b>447</b>	<b>208</b>	<b>94</b>	<b>3612</b>

***\*Does not include 1119 patients treated at Level IV Trauma Centers.***

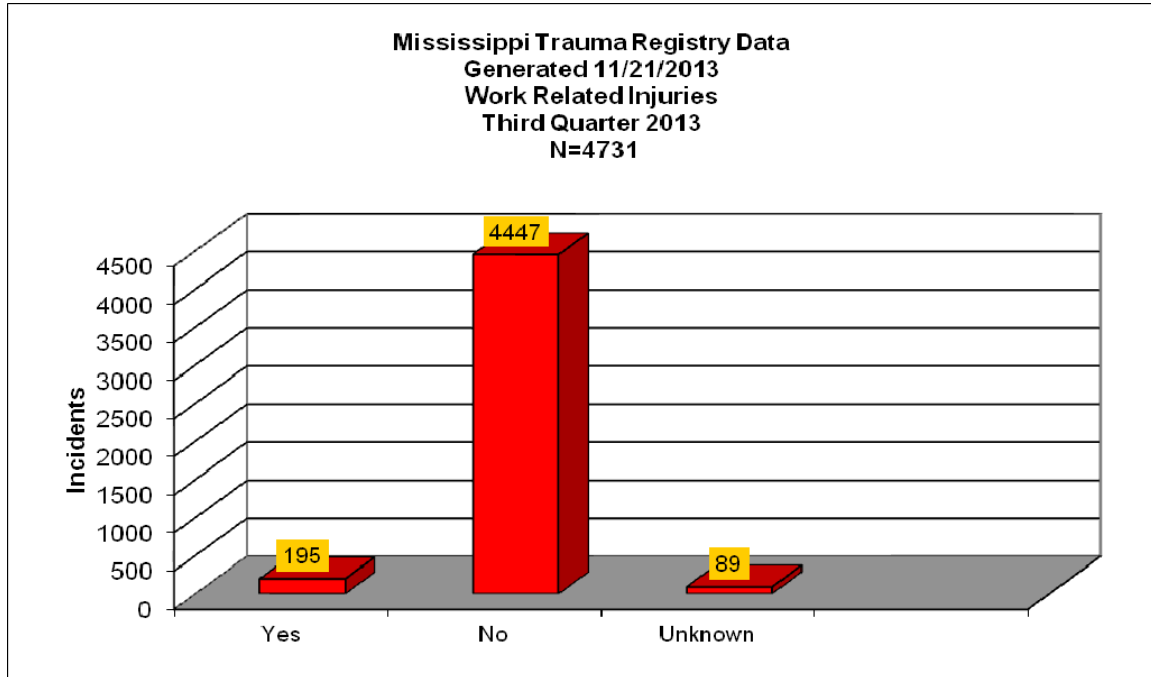
## Age and Gender



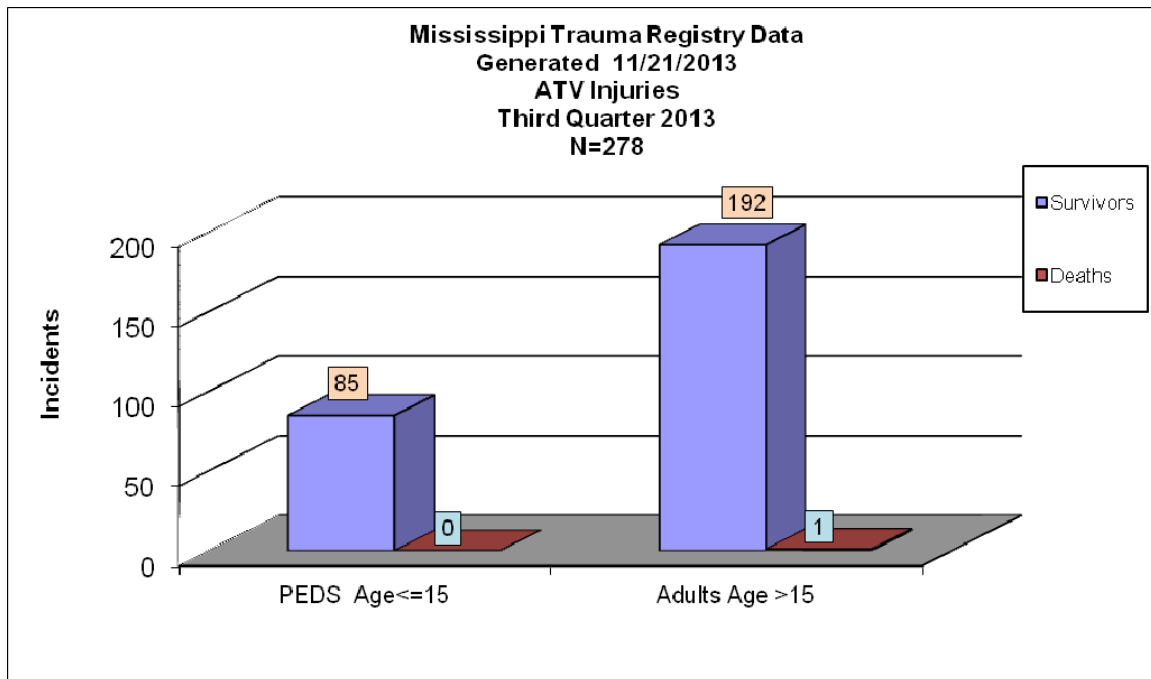
## The top 7 mechanisms of injury



### ***Work related injuries***

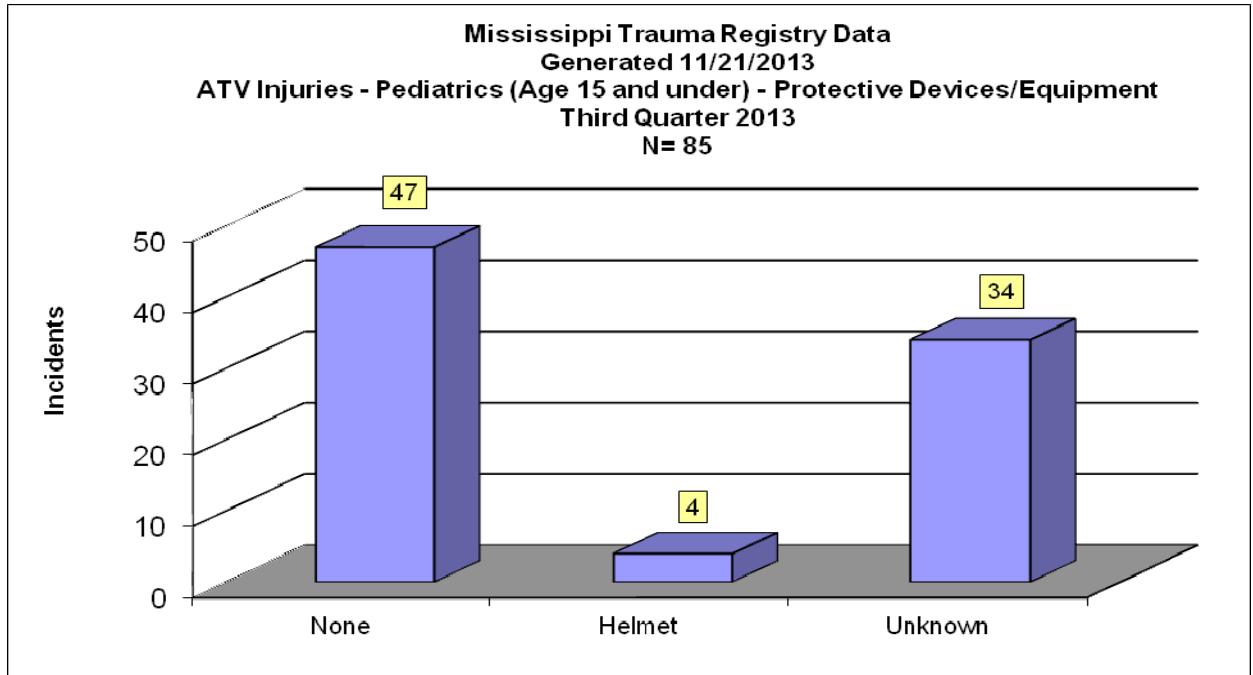


### ***ATV Injuries and Deaths***

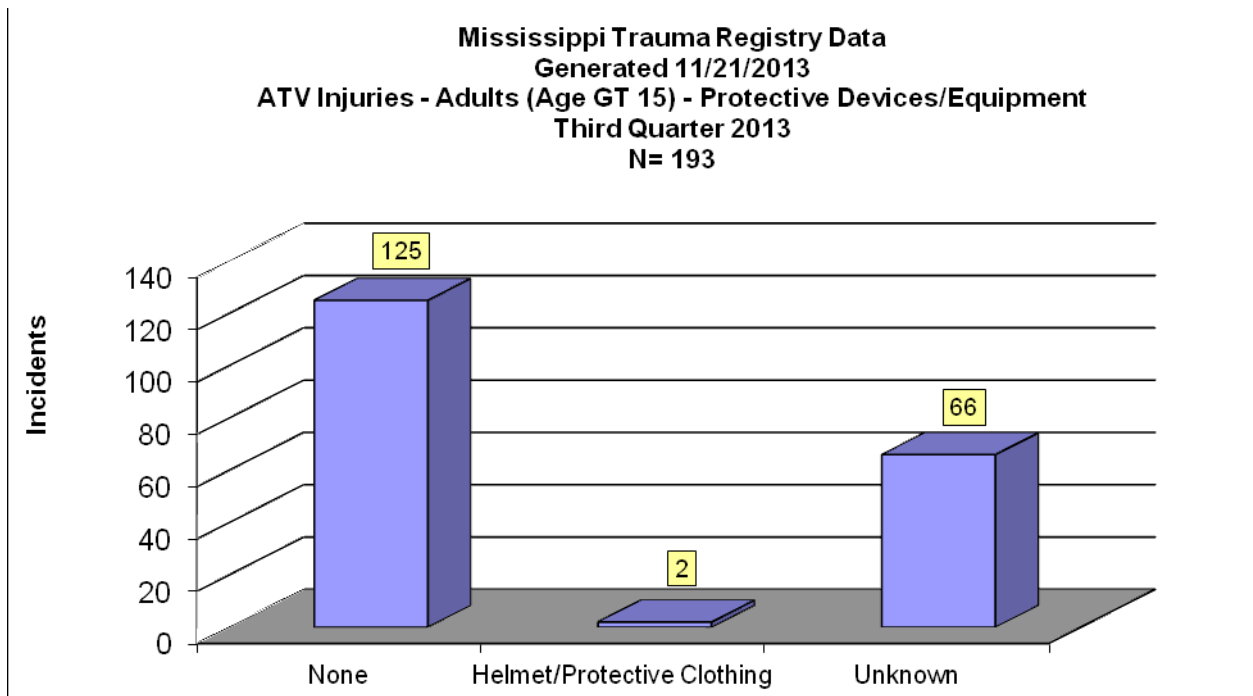




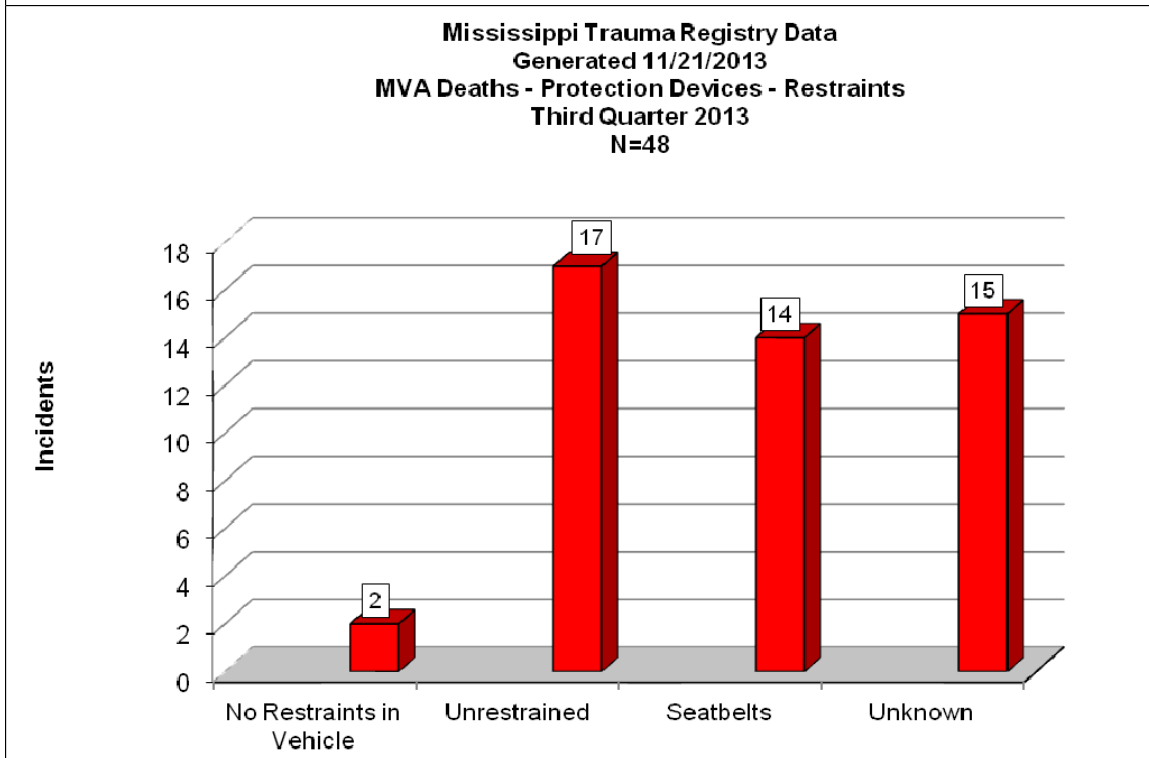
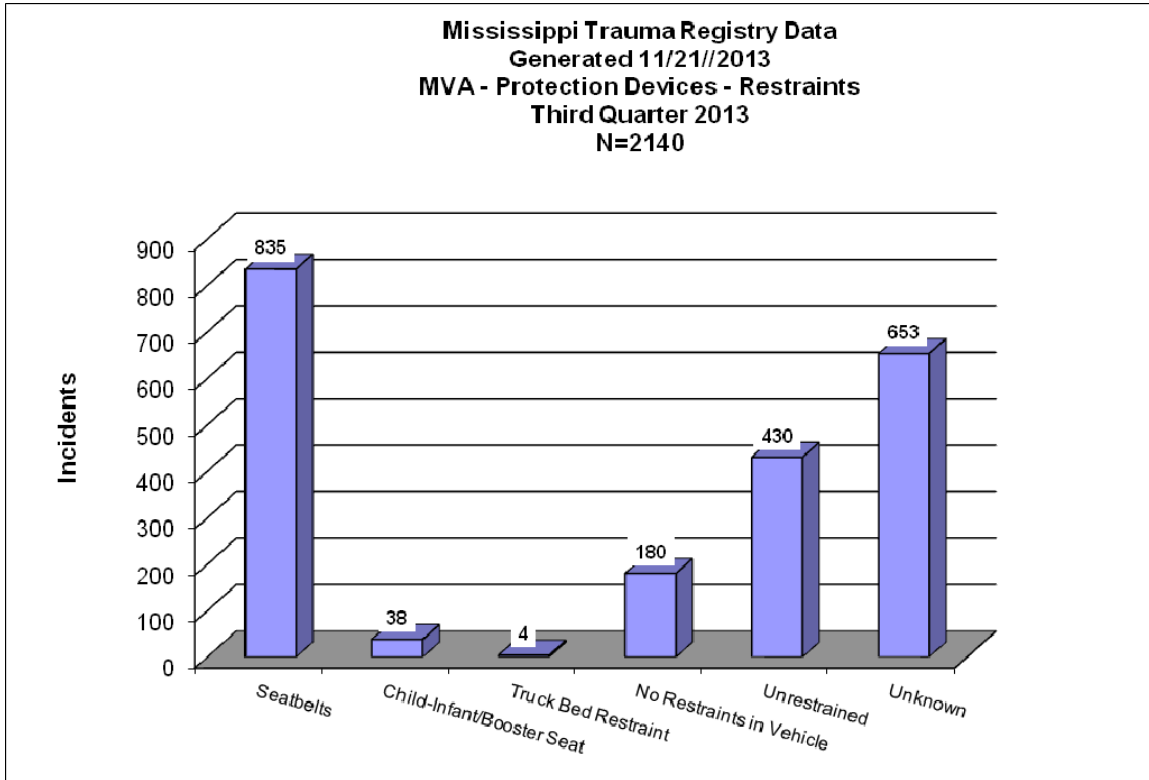
***ATV Injuries and Deaths with Protective Devices (Pediatric)***



***ATV Injuries and Deaths with Protective Devices (Adult)***



***MVA with and without restraints***

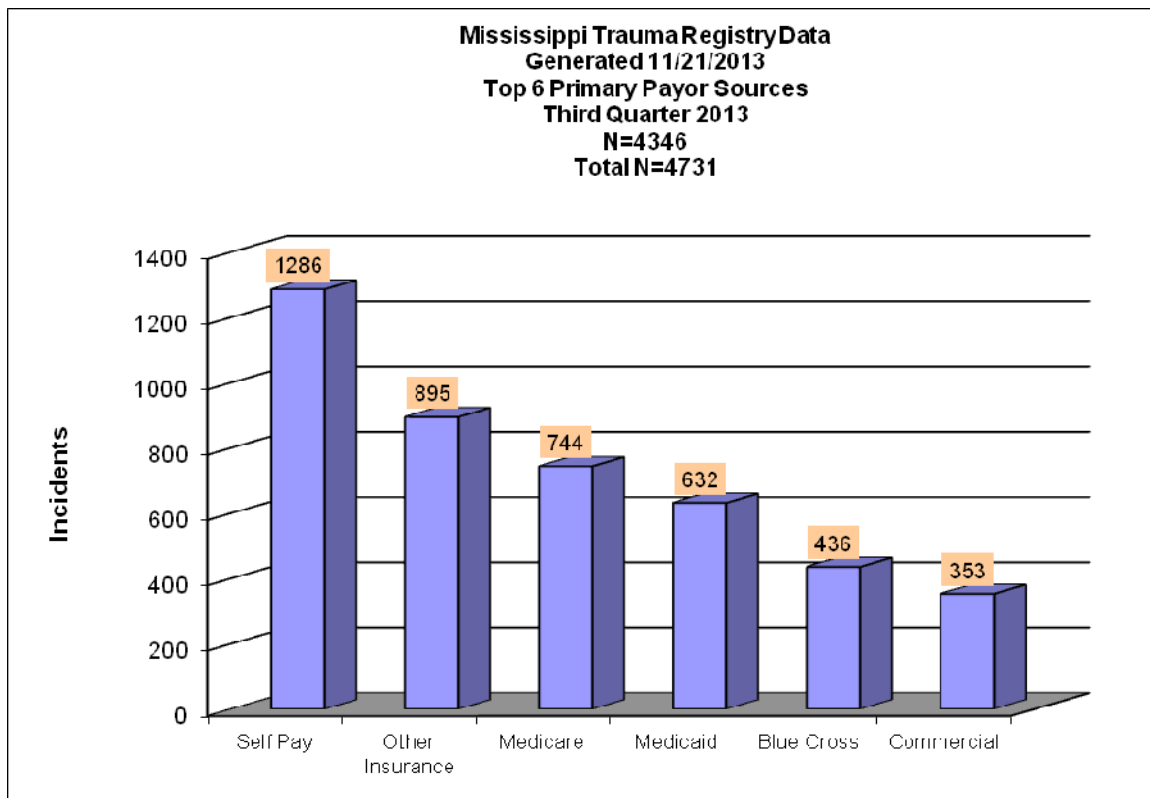


## Trauma Performance Improvement (PI) Program:

### Trauma PI Sub-committee activities:

- The sub-committee met on September 17, 2013. The committee reviewed the state-wide over/under-triage data using the Cribari Grid process. The committee recommended a pilot program to modify three of the elements of the Consolidated Trauma Activation and Destination Guidelines; GCS, pelvic fractures, and EMS/Health provider judgment in an effort to reduce over-triage.

### Financial Data:



**Trauma Care Trust Fund:**

**Fund Total – August 31, 2013**

**\$ 5,369,624**

<b>Month</b>	<b>Moving Violations</b>	<b>Interest</b>	<b>Tag Fee</b>	<b>ATV/ Motorcycle Fee</b>	<b>Play or Pay/ Other</b>	<b>Total Collected</b>
September	\$651,257	\$4,030	\$1,009,196	\$101,757	0	\$1,766,240
October	574,692	2,262	989,104	83,285	0	1,649,343
November	184,013	No Report	877,668	No Report	0	1,061,681
<b>Total</b>	<b>\$1,409,962</b>	<b>\$6,292</b>	<b>\$2,875,968</b>	<b>\$185,042</b>	<b>\$0</b>	<b>\$4,477,264</b>

**Fund Sub-total – November 30, 2013**

**\$ 9,846,888**

**Obligated for December 2013 TCTF Distribution**

**\$ 9,846,888**